

# Karthick Subramanian Manoharan

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## PROFILE

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- Result driven product engineer with ten plus years of experience crafting performant web applications.
- Proficient in Javascript, Typescript, Angular, primer in ReactJS alongside a wide range of frontend technological landscape.
- With the advent of LLMs, I am driven towards **building developer tools** and project solutions utilizing a variety of programming languages.
- **Research interests** includes **AI Agents**, **Web performance optimisation**
- Active member of the local Frontend developer community and an ardent learner of new technologies.

## TECHNICAL SKILLS

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*Languages & Frameworks:*

JavaScript, TypeScript, Angular, ReactJS, NodeJs, TailWindCSS, ES6, HTML5, CSS3, Jasmine, Jest, Webpack, Vite, Git

*Web Performance:* Core Web Vitals, PWA

*Miscellaneous:* Amazon Web Services, CI/CD, Github Actions, AI Agents, Claude, Codex

## WORK EXPERIENCE

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**Senior Frontend Engineer** · **Jumio**, Bangalore, India *Aug 2022 – Dec 2025*

- Developed 360 degree fraud solution – an interactive graph visualiser for fraud detection amongst hundreds of related nodes using yFiles graph library.
- Architected workflow modeling capabilities using the open source BpmnJS modeler for Angular.
- Developed business rules visualiser and editor for business rules management system.
- Build automated code review tools with support for several languages integrated with GitHub.
- Advocated for Claude Code and similar AI augmented development practice with proof of concepts.
- Contributed to backend implementation on fraud verification stages using Spring Boot.

**Lead Software Engineer** · **FICO**, Bangalore, India *Oct 2017 – Aug 2022*

- Developed a highly performant nested rules editor for case manage application.
- Collaborated with UX designers in cocreating design systems for enterprise customers.
- Helped create the onboarding process for frontend engineers.
- Integrated and advocated unit test practices resulted in less production issues.

**Associate Tech Lead** · **Sourcebits Inc**, Bangalore, India *Jul 2015 – Oct 2017*

- Build a Twitter (X) like platform called Castography for audio messages using knockout.js target for users from middle eastern countries.
- Proposed responsive, mobile first web solution while native mobiles apps are made available, resulting in increased traffic by 20%.
- Build admin panel for iOS only betting application on NASDAQ and DOW JONES with virtual currency.
- Undertook several consulting projects for refactoring jQuery, Knockout.js to AngularJS

**Senior Software Engineer** · **GoldSpotMedia Pvt Ltd**, Bangalore, India *Aug 2013 – Jul 2015*

- Developed 60+ rich media advertisements for mobile, tablet and desktop devices targeted for Asia Pacific, Indian and the US markets.
- Wrote CSS animations with minimal JavaScript usage which helped in less battery consumption on mobile devices.
- Contributor to advertisement delivery platform engine.

- Collaborated with UX engineers and product managers to produce effective engaging ads.

**Software Engineer** · TVS InfoTech Pvt Ltd, Chennai, India

*July 2010 – Aug 2013*

- Designed and implemented web forms for the leading universities in the US integrating and deploying the CRM suite with compatibility for web accessibility and HTML validator.
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- Designed several web applications using Photoshop.
- Build prototype for vendor portal system using Bootstrap, jQuery.
- Applied SEO optimization using SEORush and Moz tools.

## EDUCATION

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**Master of Science in Software Engineering** · GPA: 8.2/10

Birla Institute of Technology, Pilani, India · 2013 – 2016

**Bachelor of Engineering in Electrical and Electronics** · 82/100

Anna University, Chennai, India · 2006 – 2010

## LANGUAGES

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English, Tamil, Kannada, Malayalam